

Title (en)

Method of manufacturing a rotor coil and corresponding rotary electrical machine

Title (de)

Verfahren zur Herstellung einer Rotorspule und dazugehörige elektrische Drehmaschine

Title (fr)

Procédé de fabrication d'une bobine de rotor et machine électrique rotative correspondante

Publication

**EP 2913908 A2 20150902 (EN)**

Application

**EP 15153818 A 20150204**

Priority

- JP 2014037603 A 20140227
- JP 2015019037 A 20150203

Abstract (en)

A method of manufacturing a rotor coil (7) includes steps of - preparing a wire strand (31) bundling a plurality of wires (20a) and a reinforcing member (32) configured to reinforce the wire strand (31), - arranging the wire strand (31) and the reinforcing member (32) to bring an end (31a) of the wire strand (31) and an end (32a) of the reinforcing member (32) into contact with each other, the wire strand (31) being arranged to have a longitudinal direction perpendicular to a boundary (25) between the wire strand (31) and the reinforcing member (32) and to include the plurality of wires (20a) with an inclined longitudinal direction thereof on a first outer surface (F1) inclining with respect to the longitudinal direction of the wire strand (31) and - driving a rotating tool (30) along the boundary (25) on the first outer surface (F1).

IPC 8 full level

**H02K 3/14** (2006.01); **H02K 3/28** (2006.01); **H02K 3/46** (2006.01); **H02K 15/00** (2006.01); **H02K 15/06** (2006.01)

CPC (source: EP US)

**H02K 3/14** (2013.01 - EP US); **H02K 3/28** (2013.01 - US); **H02K 3/46** (2013.01 - US); **H02K 15/0037** (2013.01 - US); **H02K 15/0043** (2013.01 - EP US); **H02K 15/063** (2013.01 - EP US); **Y10T 29/49012** (2015.01 - EP US)

Cited by

EP3166211A1; EP4113798A1; WO2022171580A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2913908 A2 20150902**; **EP 2913908 A3 20160727**; BR 102015004318 A2 20151222; CN 104883011 A 20150902; CN 104883011 B 20170919; JP 2015180175 A 20151008; JP 6479491 B2 20190306; US 2015244225 A1 20150827

DOCDB simple family (application)

**EP 15153818 A 20150204**; BR 102015004318 A 20150227; CN 201510088607 A 20150226; JP 2015019037 A 20150203; US 201514614780 A 20150205